

Figure 1

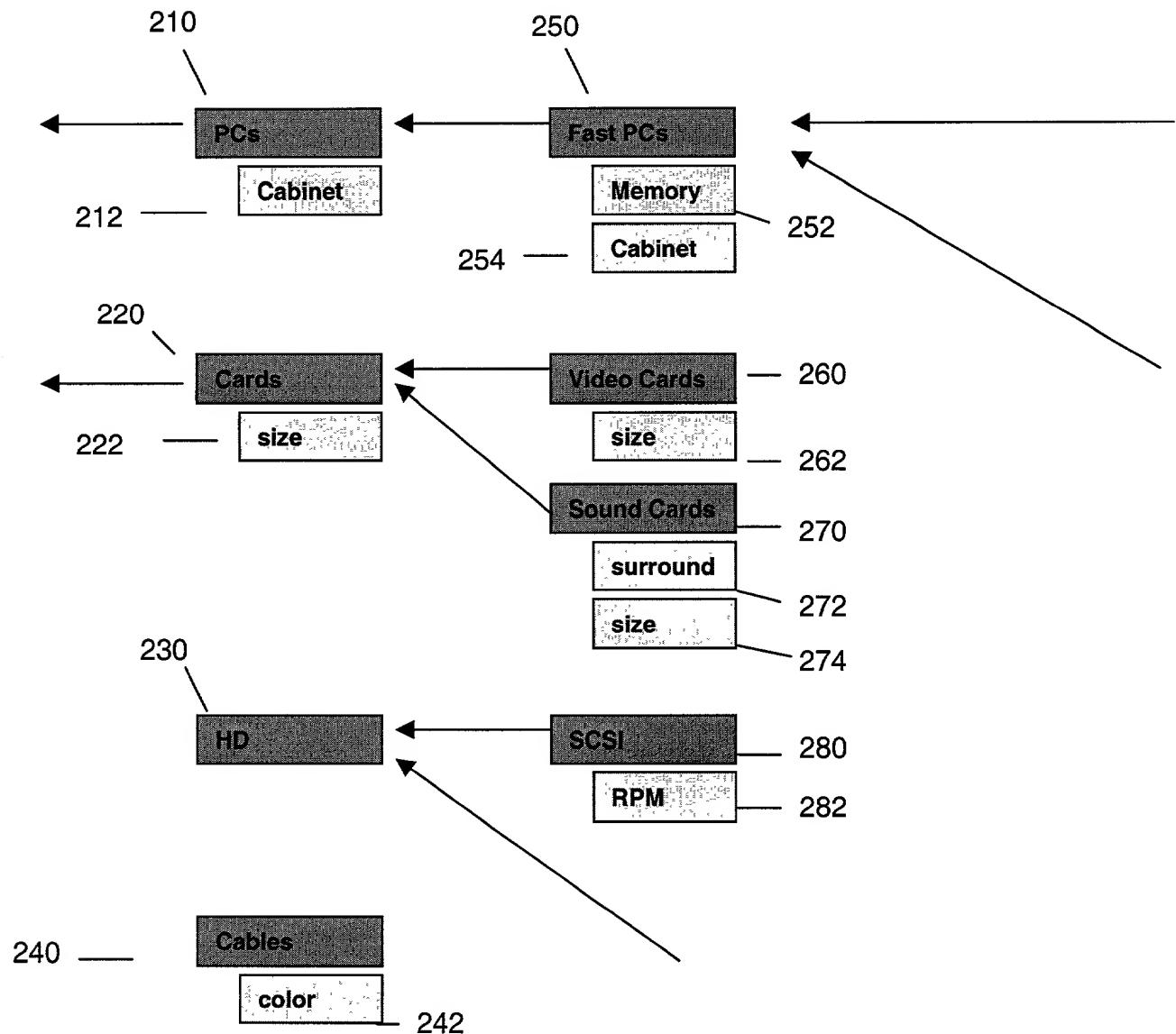


Figure 2

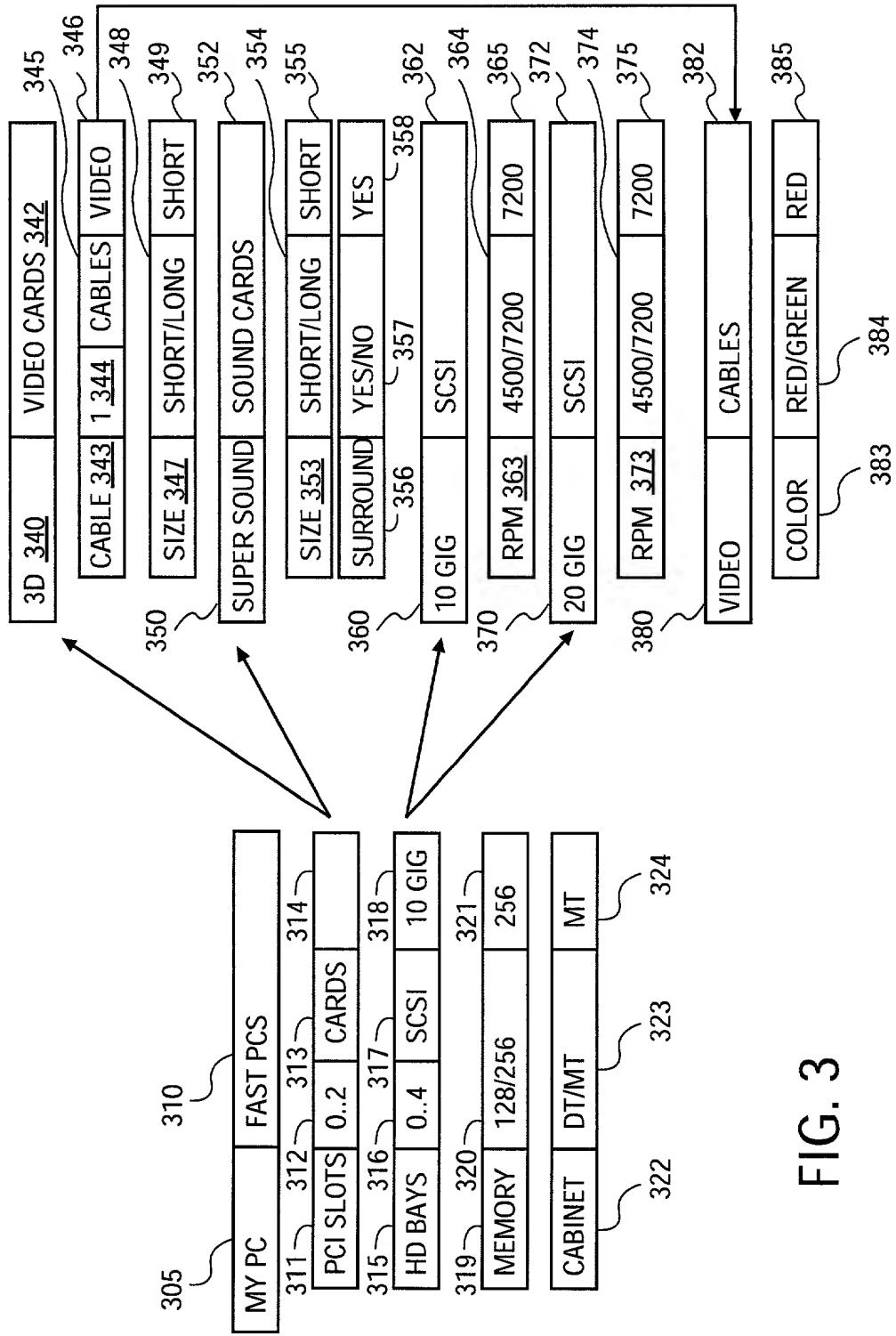


FIG. 3

Minimum Cardinality	Default Cardinality	Maximum Cardinality	System Adds Default Product?	User Pick Read?	Initial Solution	User Actions Allowed
=0	= Min Card	>Default Card	No	No	No items	Increase item quantities to Max Card
=0	> Min Card	=Default Card	No	No	N=Max Card	Decrease Item quantities to 0 but cannot increase them.
=0	> Min Card	>Default Card	No	No	N=Default Card	Increase item quantities to Max Card or decrease them to 0
>0	= Min Card	=Default Card	Yes	Yes	N=Min, Default, Max	Cannot increase or decrease item quantities.
>0	= Min Card	> Default Card	Yes	Yes	N=Min	Can increase item quantities to Max Card but cannot decrease them.
>0	> Min Card	= Default Card	Yes	Yes	N=Default	Can decrease item quantities to Min Card but cannot increase them.
>0	> Min Card	>Default Card	Yes	Yes	N=Default	Can decrease item quantities to Min Card or increase them to Max Card.

Figure 4

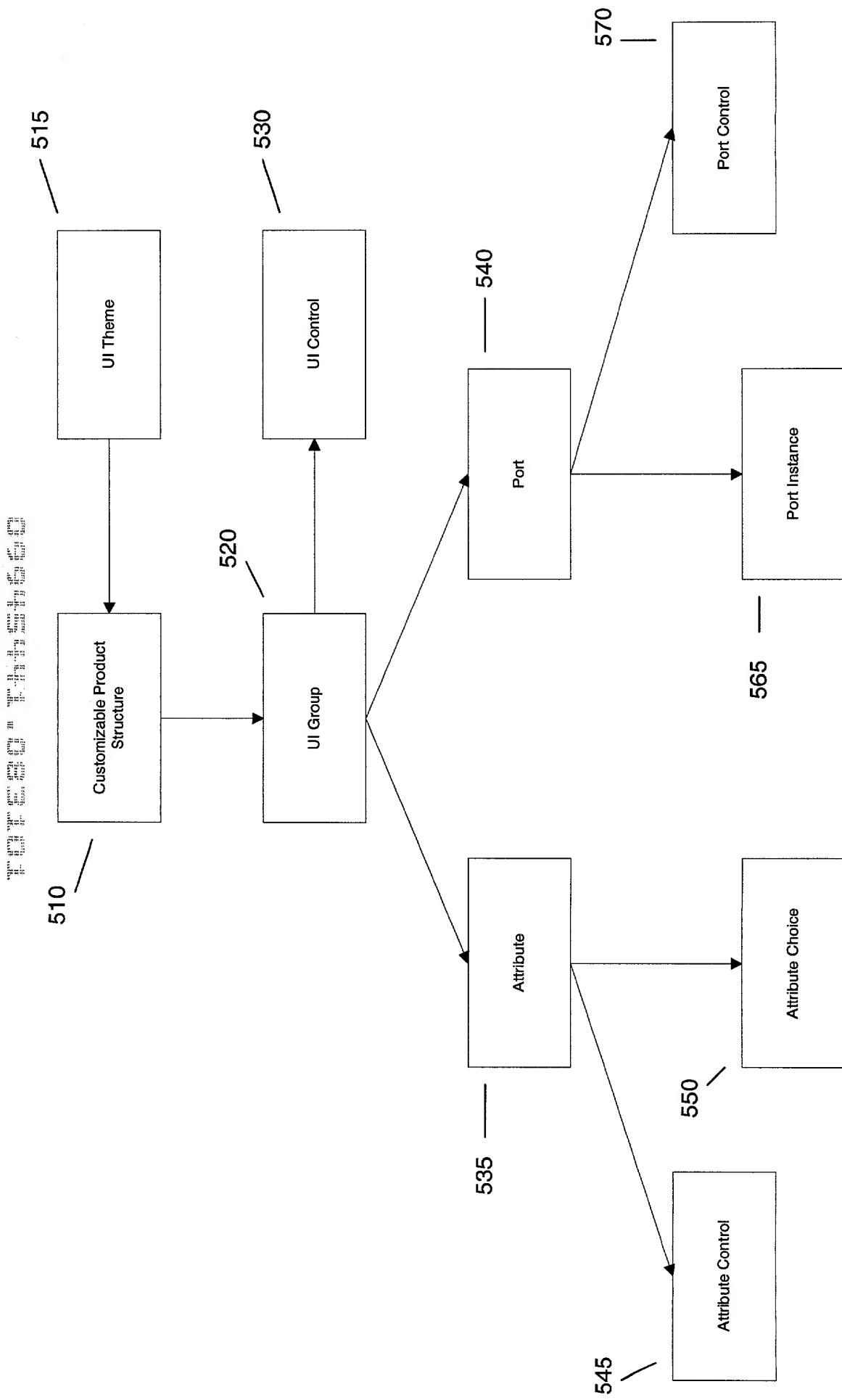


Figure 5

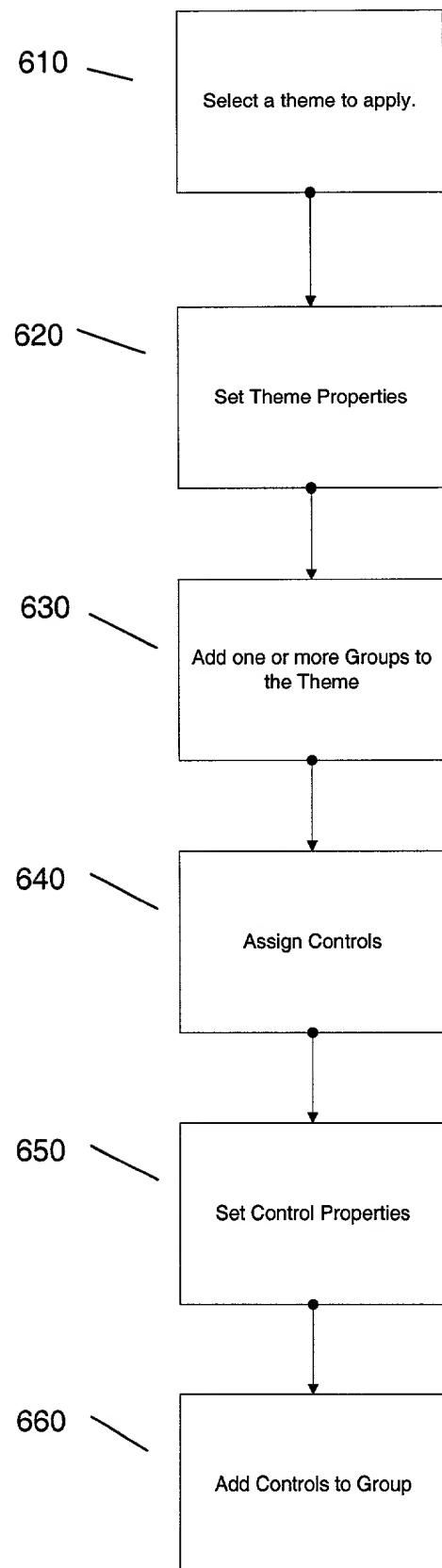
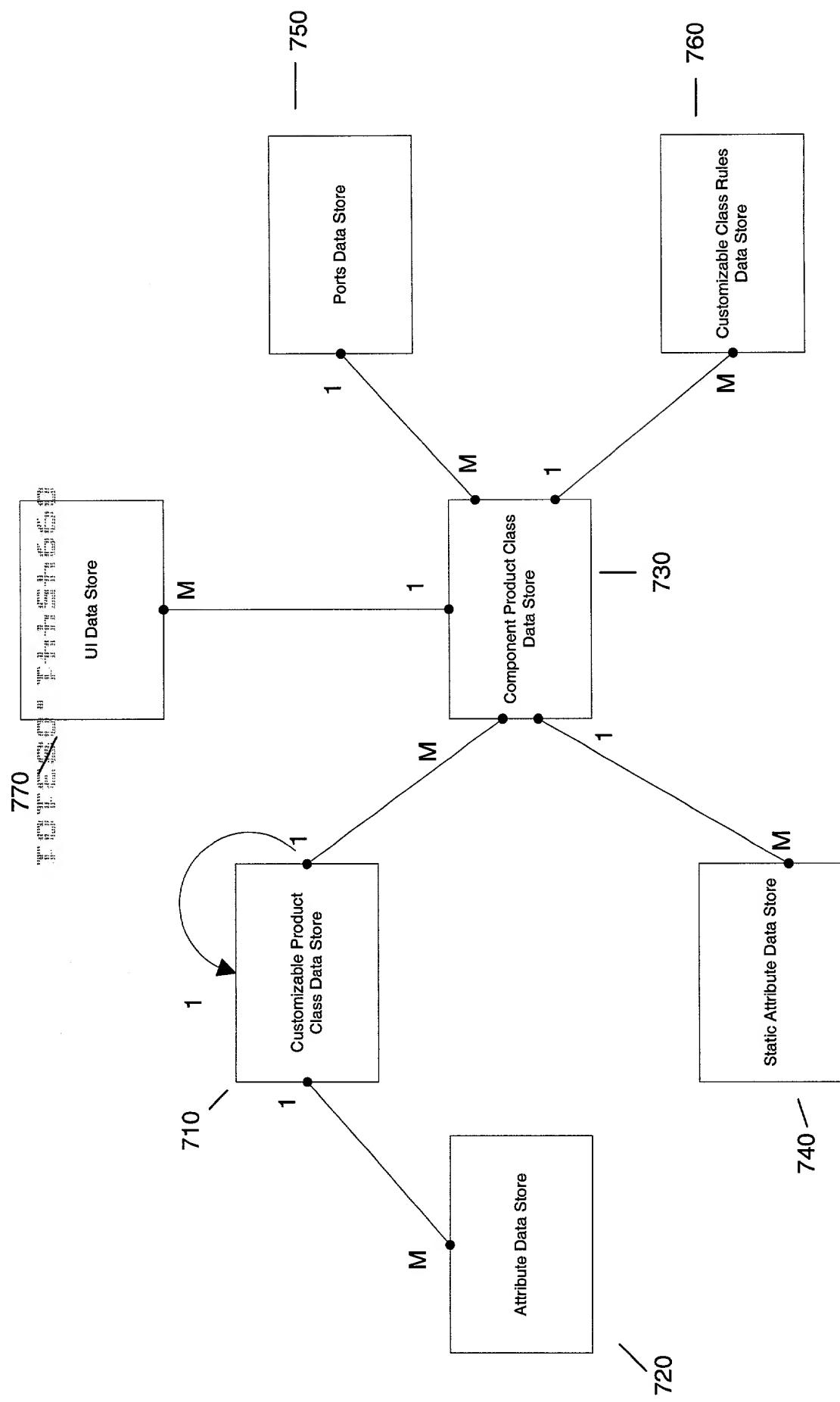


Figure 6

Figure 7



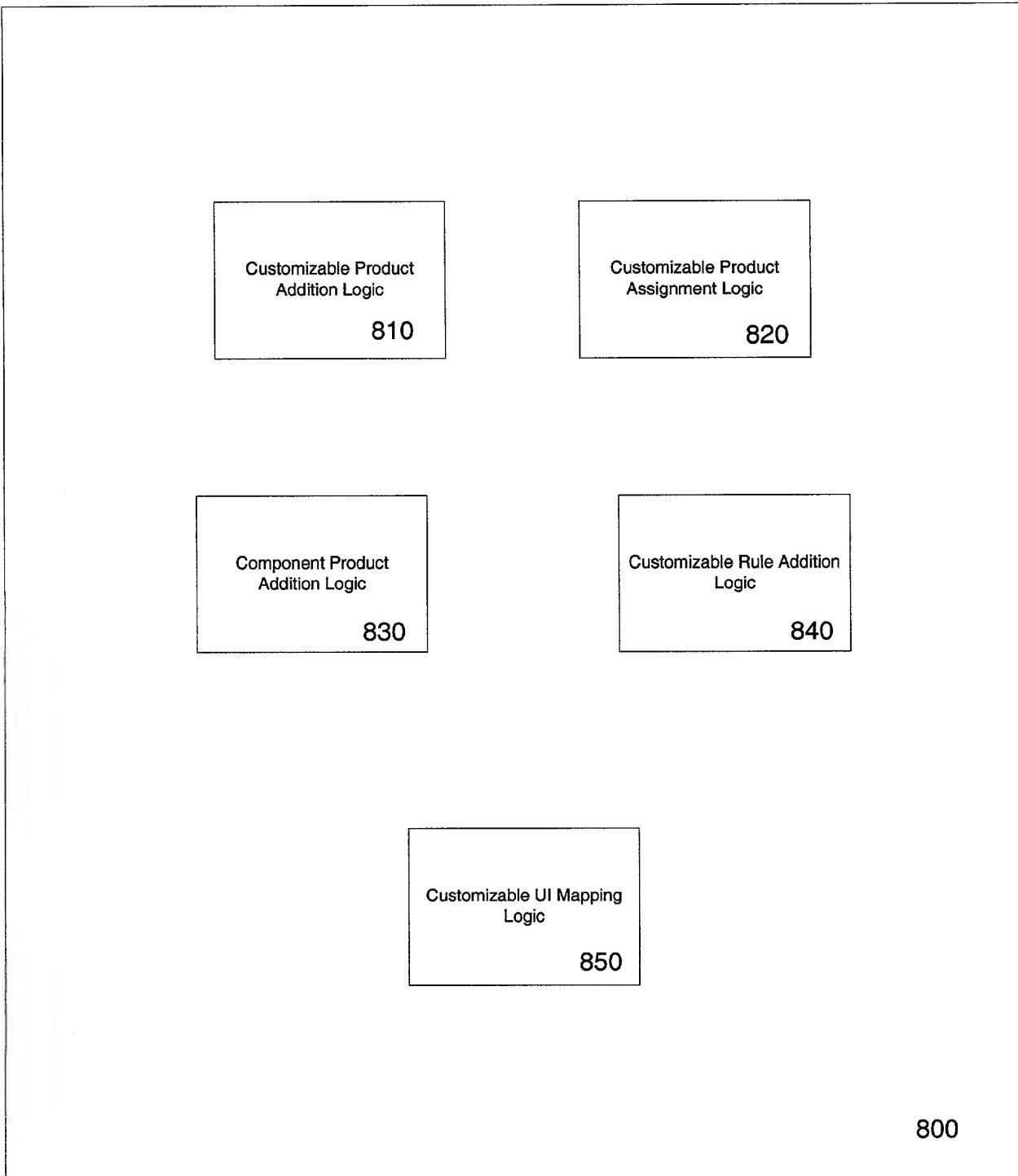


Figure 8